

Amend

58. (New) A battery-powered table saw as in claim 55, wherein the battery mounting device is disposed in the side surface of the auxiliary table that faces an operator during use of the table saw.

amend

59. (New) A battery-powered table saw as in claim 55, wherein the battery mounting device is disposed in the side surface of the auxiliary table that is opposite of an operator during use of the table saw.

REMARKS

The Office Action dated December 7, 2000, has been received and carefully reviewed. The rejections raised in that Office Action and certain new references were discussed with the examiner during an interview on April 10, 2001, and as an initial matter, the undersigned would like to thank the examiner for the helpful comments provided in connection with this application and for the courtesies extended during the interview.

Claims 1-16 stand rejected under 35 U.S.C. 112, second paragraph as being indefinite. In order to address this rejection and to better define the invention, claims 1-16 have been canceled and new claims 17-59 are being submitted herewith for examination. Each of these claims is believed to

be allowable over the prior art of record. Wherefore, the examination and allowance of these claims is respectfully requested.

As the examiner is aware, the present invention is directed to a battery-powered table saw with a battery positioned to provide improved performance with regard to prior art battery-powered saws. The battery-powered saw shown in the Felisatti catalog cited in the Office Action comprises a large relatively thin battery that forms a base for the saw. The Barracuda saw (which may or may not be prior art) includes a battery on the portion of its handle closest to a user, which arrangement can lead to wiring and other problems discussed herein. The invention as now claimed addressed many problems found in prior art devices and is believed to be allowable over the prior art.

New claim 17, for example, requires a table saw including a blade case and a battery-mounting device disposed at the rear portion of the blade case. Neither Felisatti nor the Barracuda saw shows this claimed arrangement. Furthermore, claim 17 is similar in scope to original claim 7 toward which the examiner was favorably disposed during the interview. For these reasons, it is believed that claim 17 and its dependent claims 18-33 are allowable over the prior art.

New claim 34 requires a table saw having a blade and battery mounting device disposed above the table and

substantially in the same plane as the blade. The Felisatti reference show a battery disposed beneath a table. The Barracuda saw has a battery mounting device offset from the plane of the blade. Claim 34 is thus similar in scope to original claim 3, and the examiner indicated that claim 3 appeared to be allowable during the interview. Claim 34 and its dependent claims 35-40 are believed to be allowable over the prior art for these reasons.

New claim 41 requires a table saw having a battery mounting device disposed such that when the saw unit is in an uppermost vertical pivot position, the battery center of gravity is positioned on one side of a vertical plane extending through the pivotal axis while the saw unit center of gravity is positioned on the other side of the vertical plane, and such that when the saw unit is in a lowermost vertical pivot position, the battery center of gravity is positioned substantially within the vertical plane. The prior art does not show or suggest this arrangement, and therefore, it is believed that claim 41 and its dependent claims 42-46 are allowable.

New claim 47 requires a table saw comprising a saw disposed above the table and having a pivot axis, a blade and a handle, and having a battery mounting device disposed on the handle and above the pivot axis. This arrangement is not

shown or suggested by Felisatti and therefore claim 47 and its dependent claims 48-54 are believed to be allowable.

New claim 55 requires a battery-powered table saw having a table and an auxiliary table and a battery mounting device disposed within the side surface of the auxiliary table. This claim is similar in scope to original claim 14, which claim was discussed during the interview and appeared to be allowable at that time.

Each issue raised in the Office Action dated December 7, 2000, has been addressed and it is believed that claims 17-59 are in condition for allowance. Wherefore, the examination and allowance of these claims is respectfully requested.

Respectfully submitted,
Dennison, Scheiner,
Schultz & Wakeman

By: 

Scott T. Wakeman
Reg. No. 37,750
(703) 412-1155 Ext. 17

IN THE SPECIFICATION:

Please replace the paragraph beginning at page 10, line 19 with the following paragraph:

The battery case 21 may have positive and negative power source terminals 21b (one shown in FIG. 1) that are mounted on the bottom of the battery case 21 and extend into the interior of the battery case 21 for connection to the battery 20. The terminals 21b are connected to a motor drive circuit including the motor 20 and the switch 17, so that the motor 12 [can start to rotate] will start rotating the saw blade 13 when the operator turns on the switch 17. A discharge opening 21a may be formed in the battery case 21 adjacent to the bottom of the battery case 21, so that any foreign particles that have entered the battery case 21 can be exhausted to the outside. Of course, the foreign particles also may be exhausted through the open end of the battery case 21 when the lid 22 is opened.

Please replace the paragraph beginning at page 13, line 1 with the following paragraph:

Because the battery casing 34 is located at the front portion of the handle 31, the battery 31 may be positioned [to] closer to the switch 17. Therefore, the wiring operation can be further simplified.

Please replace the paragraph beginning at page 10, line 19 with the following paragraph:

Although the battery 40 is mounted within the front side [one] of the auxiliary tables 41a in the above representative embodiment, an additional battery 40' may be mounted within the front portion of the other of the auxiliary tables 41a as indicated by dotted lines in FIG. 4, so that the balancing function may be further improved. Alternatively, in place of batteries 40 and 40', batteries 40" may be mounted within the rear portions of both the auxiliary tables 41a. In order to simplify the illustration, battery cases for holding the batteries 40' and 40" are not shown in FIG. 4.